Fertilizer Research **38:** 255–256, 1994.

CONTENTS Volume 38 1994

Volume 38 No. 1

Assessment of methods for studying the dissolution of phosphate fertilizers of differing solubility in soil. I. An isotopic method 1
H.J. Di, R. Harrison, A.S. Campbell

Assessment of methods for studying the dissolution of phosphate fertilizers of differing solubility in soil. II. Chemical extractions and comparison with isotopic exchange 11
H.J. Di, R. Harrison, A.S. Campbell

Assessment of methods for studying the dissolution of phosphate fertilizers of differing solubility in soil. III. The relationship between rate of dissolution and plant response 19
H.J. Di, R. Harrison, A.S. Campbell

Effectiveness of two partially acidulated rock phosphates, coastal superphosphate and Ecophos, compared with North Carolina reactive rock phosphate and superphosphate 29
M.D.A. Bolland

Determining permeability of coatings of polymer-coated urea 47
Mingchu Zhang, M. Nyborg, J.T. Ryan

Using hydrophilic polymers to control nutrient release 53
R.L. Mikkelsen

Large granules, nests or bands: Methods of increasing efficiency of fall-applied urea for small cereal grains in North America 61
Yadvinder-Singh, S.S. Malhi, M. Nyborg, E.G. Beauchamp

Volume 38 No. 2

Studies on the effectiveness of some additives on the physicomechanical properties of urea – ammonium sulphate (UAS) pellets 89
M.J. Rahman, P. Bozadjiev, Y. Pelovski

The influence of potassium supply on nodulation, nitrogenase activity and nitrogen accumulation of soybean (*Glycine max* L. Merill) grown in nutrient solution 95
K.P. Premaratne, J.J. Oertli

Nitrogen uptake by autumn sown sugar beet 101
L. López-Bellido, J.E. Castillo, M. Fuentes

Relationships between ammonia volatilization and nitrogen fertilizer application rate, intake and excretion of herbage nitrogen by cattle on grazed swards 111
D.W. Bussink

Effects of liming, K fertilization and leaching on K retention, nutrient uptake and dry matter production of maize grown on a Samoan Oxic Inceptisol 123
A.W. Bekker, N.V. Hue, R.G. Chase

Solubilization of soil organic N by alkaline-hydrolysing N fertilizers 131
S. Sen, P.M. Chalk

Fertilizer adoption by small-scale farmers in Nakuru District, Kenya 141
J.N. Mbata

The significance of agricultural sources of greenhouse gases 151
J.M. Duxbury

Feather meal, a semi-slow-release nitrogen fertilizer for organic farming 165
A. Hadas, L. Kautsky

Volume 38 No. 3

Residual value of superphosphate for oat and barley grown on a very sandy, phosphorus leaching soil 171
M.D.A. Bolland

Slow-release selenium fertilizers to correct selenium deficiency in grazing sheep in Western Australia 183
B.R. Whelan, N.J. Barrow

Evaluation of thermally promoted reaction products of some selected phosphate rocks from India 189
H.K. Rautaray, R.N. Dash, S.K. Mohanty

Effect of selenium-enriched calcium nitrate, top-dressed at different growth stages, on the selenium concentration in wheat 199
B.R. Singh

An evaluation of the agronomic potential of partially acidulated rock phosphates in calcareous soil 205
L.M. Xiong, R.K. Lu, B. Truong

Needs for controlled-availability micronutrient fertilizers 213
J.J. Mortvedt

A rapid tissue testing methodology for optimum potassium fertilization of potato grown under subtropical short-day conditions 223
S.P. Trehan, J.S. Grewal

Effects of organic manure on solubility and mobility of different phosphate fertilizers in two paddy soils 233
X. Yang, W. Werner, H.W. Scherer, X. Sun

An easy pot incubation method for measuring nitrogen mineralization from easily decomposable organic material under well defined conditions 239
K. Thorup-Kristensen

The dissolution of North Carolina phosphate rock in some south-western Australian soils 249
J.C. Hughes, R.J. Gilkes

Volume contents 255

Author index 257

Instructions to authors 259